

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/077,173ADATE: 06/15/1999
TIME: 17:55:12

INPUT SET: S32212.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT:

(A) NAME: EUROSCREEN S.A.
(B) STREET: Avenue des Becassines 7
(C) CITY: BRUXELLES
(E) COUNTRY: BELGIUM
(F) POSTAL CODE (ZIP): 1160

(A) NAME: COMMUNI DIDIER
(B) STREET: Groendallaan 19
(C) CITY: VILVOORDE
(E) COUNTRY: BELGIUM
(F) POSTAL CODE (ZIP): 1800

(A) NAME: PIROTTON SABINE
(B) STREET: Avenue Marius Renard 27a
(C) CITY: BRUXELLES
(E) COUNTRY: BELGIUM
(F) POSTAL CODE (ZIP): 1070

(A) NAME: PARMENTIER MARC
(B) STREET: Chausses d'Uccle 304
(C) CITY: LINKEBEEK
(E) COUNTRY: BELGIUM
(F) POSTAL CODE (ZIP): 1604

(A) NAME: BOEYNAEMS JEAN-MARIE
(B) STREET: Avenue Peter Benoit 5
(C) CITY: WEMMEL
(E) COUNTRY: BELGIUM
(F) POSTAL CODE (ZIP): 1780

(ii) TITLE OF INVENTION: RECEPTOR AND NUCLEIC ACID MOLECULE ENCODING
SAID RECEPTOR

(iii) NUMBER OF SEQUENCES: 4

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/077,173ADATE: 06/15/1999
TIME: 17:55:13

INPUT SET: S32212.raw

47 (vi) CURRENT APPLICATION DATA:
48 (A) APPLICATION NUMBER:
49 (B) FILING DATE:
50
51 (vii) PRIOR APPLICATION DATA:
52 (A) APPLICATION NUMBER: WO PCT/BE 96/00123
53 (B) FILING DATE:
54
55 (2) INFORMATION FOR SEQ ID NO: 1:
56
57 (i) SEQUENCE CHARACTERISTICS:
58 (A) LENGTH: 1429 base pairs
59 (B) TYPE: nucleic acid
60 (C) STRANDEDNESS: single
61 (D) TOPOLOGY: linear
62
63 (ii) MOLECULE TYPE: DNA (genomic)
64
65
66 (ix) FEATURE:
67 (A) NAME/KEY: CDS
68 (B) LOCATION: 181..1275
69
70
71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
72
73 AAGGGAGCTT GGGTAGGGGC CAGGCTAGCC TGAGTGCACC CAGATGCGCT TCTGTCAGCT 60
74
75 CTCCCTAGTG CTTCAACCAC TGCTCTCCCT GCTCTACTTT TTTTGCTCCA GCTCAGGGAT 120
76
77 GGGGGTGGGC AGGGAAATCC TGCCACCCTC ACTTCTCCCC TTCCCATCTC CAGGGGGGCC 180
78
79 ATG GCC AGT ACA GAG TCC TCC CTG TTG AGA TCC CTA GGC CTC AGC CCA 228
80 Met Ala Ser Thr Glu Ser Ser Leu Leu Arg Ser Leu Gly Leu Ser Pro
81 1 5 10 15
82
83 GGT CCT GGC AGC AGT GAG GTG GAG CTG GAC TGT TGG TTT GAT GAG GAT 276
84 Gly Pro Gly Ser Ser Glu Val Glu Leu Asp Cys Trp Phe Asp Glu Asp
85 20 25 30
86
87 TTC AAG TTC ATC CTG CTG CCT GTG AGC TAT GCA GTT GTC TTT GTG CTG 324
88 Phe Lys Phe Ile Leu Leu Pro Val Ser Tyr Ala Val Val Phe Val Leu
89 35 40 45
90
91 GGC TTG GGC CTT AAC GCC CCA ACC CTA TGG CTC TTC ATC TTC CGC CTC 372
92 Gly Leu Gly Leu Asn Ala Pro Thr Leu Trp Leu Phe Ile Phe Arg Leu
93 50 55 60
94
95 CGA CCC TGG GAT GCA ACG GCC ACC TAC ATG TTC CAC CTG GCA TTG TCA 420
96 Arg Pro Trp Asp Ala Thr Ala Thr Tyr Met Phe His Leu Ala Leu Ser
97 65 70 75 80
98
99 GAC ACC TTG TAT GTG CTG TCG CTG CCC ACC CTC ATC TAC TAT TAT GCA 468

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| | | |
|-----|---|------|
| 100 | Asp Thr Leu Tyr Val L u Ser Leu Pro Thr Leu Ile Tyr Tyr Tyr Ala | |
| 101 | 85 90 95 | |
| 102 | | |
| 103 | GCC CAC AAC CAC TGG CCC TTT GGC ACT GAG ATC TGC AAG TTC GTC CGC | 516 |
| 104 | Ala His Asn His Trp Pro Phe Gly Thr Glu Ile Cys Lys Phe Val Arg | |
| 105 | 100 105 110 | |
| 106 | | |
| 107 | TTT CTT TTC TAT TGG AAC CTC TAC TGC AGT GTC CTT TTC CTC ACC TGC | 564 |
| 108 | Phe Leu Phe Tyr Trp Asn Leu Tyr Cys Ser Val Leu Phe Leu Thr Cys | |
| 109 | 115 120 125 | |
| 110 | | |
| 111 | ATC AGC GTG CAC CGC TAC CTG GGC ATC TGC CAC CCA CTT CGG GCA CTA | 612 |
| 112 | Ile Ser Val His Arg Tyr Leu Gly Ile Cys His Pro Leu Arg Ala Leu | |
| 113 | 130 135 140 | |
| 114 | | |
| 115 | CGC TGG GGC CGC CCT CGC CTC GCA GGC CTT CTC TGC CTG GCA GTT TGG | 660 |
| 116 | Arg Trp Gly Arg Pro Arg Leu Ala Gly Leu Leu Cys Leu Ala Val Trp | |
| 117 | 145 150 155 160 | |
| 118 | | |
| 119 | TTG GTC GTA GCC GGC TGC CTC GTG CCC AAC CTG TTC TTT GTC ACA ACC | 708 |
| 120 | Leu Val Val Ala Gly Cys Leu Val Pro Asn Leu Phe Phe Val Thr Thr | |
| 121 | 165 170 175 | |
| 122 | | |
| 123 | AGC AAC AAA GGG ACC ACC GTC CTG TGC CAT GAC ACC ACT CGG CCT GAA | 756 |
| 124 | Ser Asn Lys Gly Thr Thr Val Leu Cys His Asp Thr Thr Arg Pro Glu | |
| 125 | 180 185 190 | |
| 126 | | |
| 127 | GAG TTT GAC CAC TAT GTG CAC TTC AGC TCG GCG GTC ATG GGG CTG CTC | 804 |
| 128 | Glu Phe Asp His Tyr Val His Phe Ser Ser Ala Val Met Gly Leu Leu | |
| 129 | 195 200 205 | |
| 130 | | |
| 131 | TTT GGC GTG CCC TGC CTG GTC ACT CTT GTT TGC TAT GGA CTC ATG GCT | 852 |
| 132 | Phe Gly Val Pro Cys Leu Val Thr Leu Val Cys Tyr Gly Leu Met Ala | |
| 133 | 210 215 220 | |
| 134 | | |
| 135 | CGT CGC CTG TAT CAG CCC TTG CCA GGC TCT GCA CAG TCG TCT TCT CGC | 900 |
| 136 | Arg Arg Leu Tyr Gln Pro Leu Pro Gly Ser Ala Gln Ser Ser Ser Arg | |
| 137 | 225 230 235 240 | |
| 138 | | |
| 139 | CTC CGC TCT CTC CGC ACC ATA GCT GTG GTG CTG ACT GTC TTT GCT GTC | 948 |
| 140 | Leu Arg Ser Leu Arg Thr Ile Ala Val Val Leu Thr Val Phe Ala Val | |
| 141 | 245 250 255 | |
| 142 | | |
| 143 | TGC TTC GTG CCT TTC CAC ATC ACC CGC ACC ATT TAC TAC CTG GCC AGG | 996 |
| 144 | Cys Phe Val Pro Phe His Ile Thr Arg Thr Ile Tyr Tyr Leu Ala Arg | |
| 145 | 260 265 270 | |
| 146 | | |
| 147 | CTG TTG GAA GCT GAC TGC CGA GTA CTG AAC ATT GTC AAC GTG GTC TAT | 1044 |
| 148 | Leu Leu Glu Ala Asp Cys Arg Val Leu Asn Ile Val Asn Val Val Tyr | |
| 149 | 275 280 285 | |
| 150 | | |
| 151 | AAA GTG ACT CGG CCC CTG GCC AGT GCC AAC AGC TGC CTG GAT CCT GTG | 1092 |
| 152 | Lys Val Thr Arg Pro Leu Ala Ser Ala Asn Ser Cys Leu Asp Pro Val | |

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153          290          295          300
154
155 CTC TAC TTG CTC ACT GGG GAC AAA TAT CGA CGT CAG CTC CGT CAG CTC      1140
156 Leu Tyr Leu Leu Thr Gly Asp Lys Tyr Arg Arg Gln Leu Arg Gln Leu
157 305          310          315          320
158
159 TGT GGT GGT GGC AAG CCC CAG CCC CGC ACG GCT GCC TCT TCC CTG GCA      1188
160 Cys Gly Gly Gly Lys Pro Gln Pro Arg Thr Ala Ala Ser Ser Leu Ala
161          325          330          335
162
163 CTA GTG TCC CTG CCT GAG GAT AGC AGC TGC AGG TGG GCG GCC ACC CCC      1236
164 Leu Val Ser Leu Pro Glu Asp Ser Ser Cys Arg Trp Ala Ala Thr Pro
165          340          345          350
166
167 CAG GAC AGT AGC TGC TCT ACT CCT AGG GCA GAT AGA TTC TAACACGGGA      1285
168 Gln Asp Ser Ser Cys Ser Thr Pro Arg Ala Asp Arg Phe
169          355          360          365
170
171 AGCCGGCAAG TGAGAGAAAA GGGGATGAGT GCAGGGCAGA GGTGAGGGAA CCCAATAGTG      1345
172
173 ATACCTGGTA AGGTGCTTCT TCCTCTTTTC CAGGCTCTGG AGAGAAGCCC TCACCCTGAG      1405
174
175 GGTGCCACG GAGGCAGGGA TATC      1429
176
177
178 (2) INFORMATION FOR SEQ ID NO: 2:
179
180 (i) SEQUENCE CHARACTERISTICS:
181 (A) LENGTH: 365 amino acids
182 (B) TYPE: amino acid
183 (D) TOPOLOGY: linear
184
185 (ii) MOLECULE TYPE: protein
186 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
187
188 Met Ala Ser Thr Glu Ser Ser Leu Leu Arg Ser Leu Gly Leu Ser Pro
189 1          5          10          15
190
191 Gly Pro Gly Ser Ser Glu Val Glu Leu Asp Cys Trp Phe Asp Glu Asp
192          20          25          30
193
194 Phe Lys Phe Ile Leu Leu Pro Val Ser Tyr Ala Val Val Phe Val Leu
195          35          40          45
196
197 Gly Leu Gly Leu Asn Ala Pro Thr Leu Trp Leu Phe Ile Phe Arg Leu
198          50          55          60
199
200 Arg Pro Trp Asp Ala Thr Ala Thr Tyr Met Phe His Leu Ala Leu Ser
201          65          70          75          80
202
203 Asp Thr Leu Tyr Val Leu Ser Leu Pro Thr Leu Ile Tyr Tyr Tyr Ala
204          85          90          95
205

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206  Ala His Asn His Trp Pro Phe Gly Thr Glu Ile Cys Lys Phe Val Arg
207              100              105              110
208
209  Phe Leu Phe Tyr Trp Asn Leu Tyr Cys Ser Val Leu Phe Leu Thr Cys
210              115              120              125
211
212  Ile Ser Val His Arg Tyr Leu Gly Ile Cys His Pro Leu Arg Ala Leu
213              130              135              140
214
215  Arg Trp Gly Arg Pro Arg Leu Ala Gly Leu Leu Cys Leu Ala Val Trp
216  145              150              155              160
217
218  Leu Val Val Ala Gly Cys Leu Val Pro Asn Leu Phe Phe Val Thr Thr
219              165              170              175
220
221  Ser Asn Lys Gly Thr Thr Val Leu Cys His Asp Thr Thr Arg Pro Glu
222              180              185              190
223
224  Glu Phe Asp His Tyr Val His Phe Ser Ser Ala Val Met Gly Leu Leu
225              195              200              205
226
227  Phe Gly Val Pro Cys Leu Val Thr Leu Val Cys Tyr Gly Leu Met Ala
228  210              215              220
229
230  Arg Arg Leu Tyr Gln Pro Leu Pro Gly Ser Ala Gln Ser Ser Ser Arg
231  225              230              235              240
232
233  Leu Arg Ser Leu Arg Thr Ile Ala Val Val Leu Thr Val Phe Ala Val
234              245              250              255
235
236  Cys Phe Val Pro Phe His Ile Thr Arg Thr Ile Tyr Tyr Leu Ala Arg
237              260              265              270
238
239  Leu Leu Glu Ala Asp Cys Arg Val Leu Asn Ile Val Asn Val Val Tyr
240              275              280              285
241
242  Lys Val Thr Arg Pro Leu Ala Ser Ala Asn Ser Cys Leu Asp Pro Val
243  290              295              300
244
245  Leu Tyr Leu Leu Thr Gly Asp Lys Tyr Arg Arg Gln Leu Arg Gln Leu
246  305              310              315              320
247
248  Cys Gly Gly Gly Lys Pro Gln Pro Arg Thr Ala Ala Ser Ser Leu Ala
249              325              330              335
250
251  Leu Val Ser Leu Pro Glu Asp Ser Ser Cys Arg Trp Ala Ala Thr Pro
252              340              345              350
253
254  Gln Asp Ser Ser Cys Ser Thr Pro Arg Ala Asp Arg Phe
255              355              360              365
256
257  (2) INFORMATION FOR SEQ ID NO: 3:
258

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/077,173ADATE: 06/15/1999
TIME: 17:55:14

INPUT SET: S32212.raw

| Line | Error | Original Text |
|------|---------------------------------|--------------------------------------|
| 5 | Mandatory Value Not Present | (i) APPLICANT: |
| 6 | Unknown or Misplaced Identifier | (A) NAME: EUROSCREEN S.A. |
| 7 | Unknown or Misplaced Identifier | (B) STREET: Avenue des Becassines 7 |
| 8 | Unknown or Misplaced Identifier | (C) CITY: BRUXELLES |
| 9 | Unknown or Misplaced Identifier | (E) COUNTRY: BELGIUM |
| 10 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 1160 |
| 12 | Unknown or Misplaced Identifier | (A) NAME: COMMUNI DIDIER |
| 13 | Unknown or Misplaced Identifier | (B) STREET: Groendallaan 19 |
| 14 | Unknown or Misplaced Identifier | (C) CITY: VILVOORDE |
| 15 | Unknown or Misplaced Identifier | (E) COUNTRY: BELGIUM |
| 16 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 1800 |
| 18 | Unknown or Misplaced Identifier | (A) NAME: PIROTTON SABINE |
| 19 | Unknown or Misplaced Identifier | (B) STREET: Avenue Marius Renard 27a |
| 20 | Unknown or Misplaced Identifier | (C) CITY: BRUXELLES |
| 21 | Unknown or Misplaced Identifier | (E) COUNTRY: BELGIUM |
| 22 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 1070 |
| 24 | Unknown or Misplaced Identifier | (A) NAME: PARMENTIER MARC |
| 25 | Unknown or Misplaced Identifier | (B) STREET: Chaussées d'Uccle 304 |
| 26 | Unknown or Misplaced Identifier | (C) CITY: LINKEBEEK |
| 27 | Unknown or Misplaced Identifier | (E) COUNTRY: BELGIUM |
| 28 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 1604 |
| 30 | Unknown or Misplaced Identifier | (A) NAME: BOEYNAEMS JEAN-MARIE |
| 31 | Unknown or Misplaced Identifier | (B) STREET: Avenue Peter Benoit 5 |
| 32 | Unknown or Misplaced Identifier | (C) CITY: WEMMEL |
| 33 | Unknown or Misplaced Identifier | (E) COUNTRY: BELGIUM |
| 34 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 1780 |